UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------------|--------------------------------------|----------------------|---------------------|------------------|
| 10/580,721 | 08/08/2006 | Kazuo Komori | 6340-000074/US/NP | 5442 |
| | 7590 04/27/201 CKEY & PIERCE, P.L | EXAMINER | | |
| P.O. BOX 828 | • | JOYCE, WILLIAM C | | |
| BLOOMFIELD HILLS, MI 48303 | | | ART UNIT | PAPER NUMBER |
| | | | 3656 | |
| | | | | |
| | | | MAIL DATE | DELIVERY MODE |
| | | | 04/27/2010 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| Notice of Abandonment 10/580,721 | | Application No. | Applicant(s) | |
|--|---|---|---|--|
| Examiner William C. Joyce 3656 The MAILING DATE of this communication appears on the cover sheet with the correspondence address This application is abandoned in view of: 1. Applicant's failure to timely file a proper reply to the Office letter mailed on 05 April 2010. (a) Applicant's failure to timely file a proper reply to the Office letter mailed on 05 April 2010. (a) A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on (b) A proposed reply was received on, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c) A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the nonfinal rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) No reply has been received. | Notice of Abandanasa | 10/580,721 | KOMORI ET AL. | |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address This application is abandoned in view of: 1. ☑ Applicant's failure to timely file a proper reply to the Office letter mailed on 05 April 2010. (a) ☐ A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on (b) ☐ A proposed reply was received on, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c) ☐ A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the nonfinal rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ☒ No reply has been received. | Notice of Abandonment | | | |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address This application is abandoned in view of: 1. ☑ Applicant's failure to timely file a proper reply to the Office letter mailed on 05 April 2010. (a) ☐ A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on (b) ☐ A proposed reply was received on, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c) ☐ A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the nonfinal rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ☒ No reply has been received. | | William C. Joyce | 3656 | |
| Applicant's failure to timely file a proper reply to the Office letter mailed on <u>05 April 2010</u>. (a) ☐ A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on (b) ☐ A proposed reply was received on, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c) ☐ A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the nonfinal rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ☒ No reply has been received. | The MAILING DATE of this communication app | | I . | |
| (a) ☐ A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on (b) ☐ A proposed reply was received on, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c) ☐ A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ☒ No reply has been received. | This application is abandoned in view of: | | | |
| (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c) ☐ A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ☒ No reply has been received. 2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months | (a) ☐ A reply was received on (with a Certificate of N period for reply (including a total extension of time of | failing or Transmission dated month(s)) which expired on | <u>· </u> | |
| application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c) ☐ A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ☒ No reply has been received. 2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months | | | | |
| final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) No reply has been received. 2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months | application in condition for allowance; (2) a timely filed | Notice of Appeal (with appeal fee); of | | |
| 2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months | | | mpt at a proper reply, to the non- | |
| | (d) 🛮 No reply has been received. | | | |
| (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85). | from the mailing date of the Notice of Allowance (PTOL-8 (a) The issue fee and publication fee, if applicable, was | 5). received on (with a Certifica | ate of Mailing or Transmission dated | |
| (b) The submitted fee of \$ is insufficient. A balance of \$ is due. | | e of \$ is due. | | |
| The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ | | | CFR 1.18(d), is \$ | |
| (c) The issue fee and publication fee, if applicable, has not been received. | (c) \square The issue fee and publication fee, if applicable, has no | ot been received. | | |
| 3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). | | uired by, and within the three-month μ | period set in, the Notice of | |
| (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply. | | _(with a Certificate of Mailing or Tran | smission dated), which is | |
| (b) ☐ No corrected drawings have been received. | (b) \square No corrected drawings have been received. | | | |
| 4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. | | e attorney or agent of record, the ass | ignee of the entire interest, or all of | |
| 5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. | | attorney or agent (acting in a repres | entative capacity under 37 CFR | |
| 6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. | | | e the period for seeking court review | |
| 7. ☐ The reason(s) below: | 7. ☐ The reason(s) below: | | | |
| /William C. Joyce/ | | /William C. Jovce/ | | |
| Primary Examiner, Art Unit 3656 | | | t 3656 | |
| | | | | |

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

U.S. Patent and Trademark Office
PTOL-1432 (Rev. 04-01)

Notice of Abandonment
Part of Paper No. 20100426 Part of Paper No. 20100426